FIIG T197
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FEDERAL ITEM IDENTIFICATION GUIDE

ENGINES, TURBINES, AND COMPONENTS

This Reprint replaces FIIG T197, dated May 7, 2010.

Commander

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Contents

GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

[Page Break]

MRC Index

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
BRAKE, ENGINE	67235	AB

Typically an electro-hydraulically operated device that converts a power-producing diesel engine into a power-absorbing retarding mechanism. Excludes GOVERNOR, DIESEL ENGINE.

ENGINE, AIRCRAFT, TURBO-PROP	15342	BB

A combustion type power unit, may be with or without container, designed to use superheated air to spin a turbine rotor attached to the propeller shaft through reduction gears.

ENGINE, AIRCRAFT, TURBO-SHAFT	32600	BB

A continuous-combustion type engine, may be with or without container, designed to use superheated air to drive a turbine rotor which is connected to the rotorshaft of a helicopter by way of reduction gears.

ENGINE, DIESEL	03751	AD

A reciprocating internal combustion engine, may be with or without container, in which the power necessary to produce motion of the mechanism is obtained by igniting a compressed fuel and air mixture within the cylinder or cylinders by extreme heat resulting from compression. The engine consists of a cylinder block assembly complete with cylinder head(s) and oil pan(s). It may include attachments or accessories, such as starter motor, transmission for auxiliary equipment, clutch, oil filter, flywheel, flywheel housing or battery charging generator. A fuel tank is not included. For a complete operating power unit mounted on a base, see POWER UNIT (1), DIESEL.

ENGINE, GASOLINE	02914	AC

A reciprocating internal combustion engine, may be with or without container, in which the power necessary to produce motion of the mechanism is obtained by igniting a compressed fuel and air mixture within the cylinder(s) of the machine, by means of introducing an electrical spark into the compression chamber. The engine consists of a cylinder block assembly complete with CYLINDER HEAD, GASOLINE ENGINE(S); OIL PAN(s) and may include attachments or accessories, such as STARTER, ENGINE, GASOLINE; RADIATOR, ENGINE COOLANT; FILTER (1), FLUID; FLYWHEEL, ENGINE; HOUSING, FLYWHEEL or GENERATOR (1), ENGINE ACCESSORY. It does not include a TANK (1), FUEL, ENGINE. For a complete operating power unit mounted on a base, see POWER UNIT (1), GASOLINE. Excludes ENGINE, AIRCRAFT, RECIPROCATING.

ENGINE, RAMJET	60441	BB

A continuous mass flow power unit, may be with or without container, designed to exert thrust by means of atmospheric air being compressed by ram compression in the inlet diffuser. The compressed air is charged with a continuous spray of pressurized fuel, ignited and ejected at high velocities through the exit nozzle.

Approved Item Name	INC	App Key
ENGINE, SPARK IGNITION #	39989	AC

A reciprocating internal combustion engine in which combustion of the compressed fuel and air mixture is initiated by externally supplied spark ignition. Both gasoline and gaseous fuel may be used as available energy sources. The engine consists of a cylinder block assembly complete with cylinder head, oil pan(s), and may include attachments or accessories, such as STARTER, ENGINE, SPARK IGNITION or STARTER, ENGINE, ELECTRICAL; RADIATOR, ENGINE COOLANT; FILTER (1), FLUID; FLYWHEEL, ENGINE; HOUSING, FLYWHEEL or GENERATOR (1), ENGINE ACCESSORY. It does not include a TANK (1), FUEL, ENGINE. For a complete operating power unit mounted on a base, see POWER UNIT (1), SPARK IGNITION.

Power Unit

1. An item consisting of an internal combustion engine with all external accessories, cooling system, fuel system (may have tank or designed for direct remote fuel source), and operational controls, mounted on a base or having a base which is an integral part of the engine. It is used as a prime mover for various types of equipment and machinery. Excludes motor generator and generator sets. For item name, use type of engine as modifier, such as gasoline, diesel, gas, gas turbine, liquid propellant, and solid propellant. Includes power units with compressed air bleedoff. Excludes ENGINE, GASOLINE; ENGINE, DIESEL and ENGINE, GAS TURBINE.

POWER UNIT (1), DIESEL	10243	AE
POWER UNIT (1), GAS TURBINE ENGINE	02910	BA
POWER UNIT (1), GASOLINE	10237	AA
POWER UNIT, MULTIPLE ENGINE	16117	AB
ROCKET ENGINE	21791	DA

A nonairbreathing reaction propulsion device that consists essentially of an injector, thrust chamber(s) and exhaust nozzle(s), and utilizes liquid fuels and oxidizers at controlled rates from which hot gases are generated by combustion and expanded through a nozzle(s).

TURBINE, STEAM	04569	CA

A form of heat engine in which rotary motion is obtained by the expansion of steam so as to create kinetic energy which is then partly absorbed by causing the steam to act on blades or vanes set upon the circumference of a drum or ring which works within a suitable casing. This engine may be adaptable for marine and/or industrial installations.

APPLICABILITY KEY INDEX

	AA	AB	AC	AD	AE
NAME	X	X	X	X	X
AAXZ	X		X	X	X
AWXE	X		X	X	X
ACXZ	X		X	X	X
AWXF	X		X	X	X
AXCQ	X		X	X	X
AKDJ		X			
AAXH		X			
AXCS		X			
AXCW	X		X	X	X
AXCX		X			
ACZV	X	X	X	X	X
AXCZ	AR	AR	AR	AR	AR
AXDA	X	X	X	X	X
AXDB	AR		X		
AXDD				X	X
AXDE	X		X		
AXDF				X	
AXDH	X		X		
AXDJ	X		X		X
AXDK	X		X	X	X
AXDL		X			
AXDN				X	X
AYPC			X	X	
AXDP	X		X	X	X
ELEC	AR		AR	AR	AR
AXDQ	AR		AR	AR	AR
CRFK	X	X	X		X
AXDR	X		X	X	X
AXDS			X	X	
AXDT			AR	AR	
AXDW	X	X	X	X	X
AXRZ	AR	AR	AR	AR	AR
AXJA			X	X	
AXJB	X	X	X	X	X
AXJD	AR	AR	AR	AR	AR
AXJE	AR	AR	AR	AR	AR
AXJF	AR	AR	AR	AR	AR
ATWQ	AR	AR	AR	AR	AR
AXJH	AR	AR	AR	AR	AR
AXJJ	AR	AR	AR	AR	AR
AXJK	AR	AR	AR	AR	AR
AXJL	X	X	X	X	X
NMBR	AR	AR	AR	AR	AR
AXJM	X		AR	AR	X
AXJN	AR				X
AXJS	AR				AR
ATQM	AR				AR

ATQN	AR				AR
AXJW	AR		AR	AR	AR
AXJY	AR		AR	AR	AR
AXKA	X				X
AKNA	X				X
AAXX	X				X
AGDH	AR				AR
AGDP	AR				AR
AGEB		X	X	X	
AKYD			X	X	
AJKC		X			
AJKD		X			
FEAT	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR
ENAC	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR
NHCF	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR
AYBE	AR	AR	AR	AR	AR
AYBF	AR	AR	AR	AR	AR
AYBG	AR	AR	AR	AR	AR
CBME	AR	AR	AR	AR	AR
AGAV	AR	AR	AR	AR	AR
WGHT	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR
FCLS	AR	AR	AR	AR	AR
FTLD	AR	AR	AR	AR	AR
TMDN	AR	AR	AR	AR	AR
RTSE	AR	AR	AR	AR	AR
RDAL	AR	AR	AR	AR	AR
NTRD	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR
CXCY	AR	AR	AR	AR	AR

	BA	BB
NAME	X	X
AXKD	X	
AXKE	AR	
AXKG	AR	
AXKH	AR	
AXKK	AR	
AXKN	AR	
ANCY		AR
AWBM		AR
AXKT	AR	AR
AXKY	AR	AR
AXLA	AR	AR
FUEL	X	X
ACDC	X	X
ELEC	X	X
AFJH	X	X
APBQ	X	X
AAXX	X	X
ABHP	X	X
ABKW	X	X
ABMK	X	X
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
PRPY	AR	AR
ENAC	AR	AR
ELRN	AR	AR
NHCF	AR	AR
ELCD	AR	AR
AYBE	AR	AR
AYBF	AR	AR
AYBG	AR	AR
CBME	AR	AR
AGAV	AR	AR
WGHT	AR	AR
SUPP	AR	AR
FCLS	AR	AR
FTLD	AR	AR
TMDN	AR	AR
RTSE	AR	AR
RDAL	AR	AR
NTRD	AR	AR
ZZZV	AR	AR
CXCY	AR	AR

	CA
NAME	X
AXLF	AR
AXLG	AR
AXLJ	AR
AXGF	X
AXNY	AR
AXPG	AR
AXRC	AR
AXRD	AR
AXRE	AR
AXRF	X
AXRG	AR
AXRH	AR
AXRJ	AR
AXRK	AR
AXRL	X
AXRM	X
AXRN	X
AXRP	X
AAYP	X
AKCT	X
AXRQ	AR
AXRS	AR
AXRR	AR
AXRX	AR
AXRZ	AR
AXSA	AR
AXSC	AR
AXSD	AR
ADSM	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
NHCF	AR
ELCD	AR
AYBE	AR
AYBF	AR
AYBG	AR
CBME	AR
AGAV	AR
WGHT	AR
SUPP	AR
FCLS	AR
FTLD	AR

TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZV	AR
CXCY	AR

	DA
NAME	X
AXSE	X
AXSF	X
AXSG	AR
AQPF	AR
ADAV	AR
ABHP	AR
ABMK	AR
ABKW	AR
AXWY	X
AXDH	X
AWBF	X
AWBG	AR
AWBJ	AR
AXXD	X
AWBS	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
NHCF	AR
ELCD	AR
AYBE	AR
AYBF	AR
AYBG	AR
CBME	AR
AGAV	AR
WGHT	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZV	AR
CXCY	AR

[Page Break]

Body

SECTION: A

APP Key | MRC | Mode Code | Requirements

ALL

NAME D ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED10237*)

AA, AC, AD, AE

AAXZ A CYLINDER QUANTITY

Definition: THE NUMBER OF CYLINDERS INCORPORATED IN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AAXZA6*)

AA, AC, AD, AE

AWXE D CYLINDER ARRANGEMENT

Definition: THE ARRANGEMENT OF THE CYLINDERS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWXEDAAG*)

REPLY CODE	REPLY (AM47)
AAB	HORIZONTAL OPPOSED W/HORIZONTAL CRANKSHAFT
AAC	HORIZONTAL OPPOSED W/VERTICAL CRANKSHAFT
AAH	HORIZONTAL SINGLE CYLINDER
AAA	INCLINED SINGLE CYLINDER
AAD	RADIAL SINGLE ROW
AAE	SINGLE V-TYPE
AAF	STRAIGHT IN-LINE
AAG	VERTICAL SINGLE CYLINDER

APP Key	MRC	Mode Code	Requirements

AA, AC, AD, AE

ACXZ J STANDARD BORE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE CYLINDER (ENGINE, COMPRESSOR, OR THE LIKE) AND TERMINATES AT THE INSIDE DIAMETER.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ACXZJA4.500*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

AA, AC, AD, AE

AWXF J STROKE LENGTH

Definition: THE MEASURED DISTANCE OF THE STROKE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWXFJA4.625*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

AA, AC, AD, AE

AXCQ A STROKES PER CYCLE

Definition: THE NUMBER OF STROKES REQUIRED TO COMPLETE ONE CYCLE.

Reply Instructions: Enter the quantity. (e.g., AXCQA4*)

AB

AKDJ D PRIME MOVER TYPE

Definition: INDICATES THE TYPE OF PRIME MOVER INCLUDED WITH THE UNIT.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKDJDAC*)

REPLY CODE	REPLY (AG27)
AC	DIESEL ENGINE
AE	GASOLINE ENGINE

AB

AAXH A PRIME MOVER QUANTITY

Definition: THE NUMBER OF PRIME MOVERS INCORPORATED IN THE UNIT.

Reply Instructions: Enter the quantity. (e.g., AAXHA4*)

AB

AXCS D PRIME MOVER MOUNTING ARRANGEMENT

Definition: AN INDICATION OF THE MOUNTING ARRANGEMENT OF THE PRIME MOVERS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXCSDBX*)

REPLY CODE	REPLY (AB21)
BW	QUADRANGULAR
BX	TANDEM
BY	TWIN

AA, AC, AD, AE

AXCW G BRAKE HORSEPOWER AT SPECIFIED RPM

Definition: THE POWER DELIVERED BY THE ITEM AT SPECIFIED REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the reply in clear text. (e.g., AXCWG230 BHP AT 1500 RPM*)

AB

AXCX G COMMOM OUTPUT SHAFT BRAKE

APP Key	MRC	Mode Code	Requirements
			HORSEPOWER AT SPECIFIED RPM

Definition: THE POWER DELIVERED BY THE COMMON OUTPUT SHAFT AT SPECIFIED REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the reply in clear text. (e.g., AXCXG650 BRAKE HORSEPOWER OF COMMON OUTPUT SHAFT AT 560 RPM*)

ALL

ACZV D COOLING MEDIUM

Definition: THE COOLING MEDIUM USED TO MAINTAIN THE REQUIRED OPERATING TEMPERATURE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACZVDDT*)

REPLY CODE	REPLY (AB75)
AB	AIR
DT	LIQUID

NOTE FOR MRC AXCZ: IF REPLY CODE DT IS ENTERED FOR MRC ACZV, REPLY TO MRC AXCZ.

ALL* (See Note Above)

AXCZ D DIRECT RAW WATER COOLING FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A DIRECT RAW WATER COOLING FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXCZDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

AXDA D CLOSED SYSTEM HULL COOLING FEATURE

APP
Key MRC Mode Code Requirements

Definition: AN INDICATION OF WHETHER OR NOT A CLOSED SYSTEM HULL COOLING FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g, AXDADB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

AA*, AC

AXDB D CYLINDER HEAD TYPE

Definition: INDICATES THE TYPE OF CYLINDER HEAD PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXDBDAD*)

REPLY CODE	REPLY (AM49)
A	ANY ACCEPTABLE
AB	F-HEAD
AC	I-HEAD
AD	L-HEAD
AE	T-HEAD

AD, AE

AXDD D PISTON ACTION TYPE

Definition: INDICATES THE TYPE OF PISTON ACTION PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g, AXDDDA*)

REPLY CODE	REPLY (AA79)
B	DOUBLE ACTING
D	OPPOSED ACTING
A	SINGLE ACTING

AA, AC

APP Key	MRC	Mode Code	Requirements
	AXDE	D	FUEL INDUCTION TYPE

Definition: THE MEANS BY WHICH THE FUEL IS INDUCTED INTO THE CYLINDER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXDEDAC*)

REPLY CODE	REPLY (AM50)
AB	CARBURETOR
AC	INJECTION

AD

	AXDF	D	MULTIFUEL USAGE FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A MULTIFUEL USAGE FEATURE IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXDFDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

AA, AC

	AXDH	D	IGNITION TYPE

Definition: INDICATES TYPE OF IGNITION UTILIZED BY THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXDHDAAD*)

REPLY CODE	REPLY (AJ53)
AAK	BATTERY
AAD	MAGNETO

AA, AC, AE

APP Key	MRC	Mode Code	Requirements
	AXDJ	D	DUAL IGNITION SYSTEM

Definition: AN INDICATION OF WHETHER OR NOT A DUAL IGNITION SYSTEM IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXDJDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

AA, AC, AD, AE

AXDK	D	CRANKSHAFT ROTATION DIRECTION

Definition: THE CRANKSHAFT ROTATION DIRECTION VIEWED FROM AND FACING THE MAIN DRIVING END.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXDKDA*)

REPLY CODE	REPLY (AB50)
A	CLOCKWISE
D	COUNTERCLOCKWISE

AB

AXDL	D	COMMON OUTPUT SHAFT ROTATION DIRECTION

Definition: THE ROTATION DIRECTION OF THE COMMON OUTPUT SHAFT VIEWED FROM AND FACING THE SHAFT END.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXDLDA*)

REPLY CODE	REPLY (AB50)
A	CLOCKWISE
D	COUNTERCLOCKWISE

APP Key	MRC	Mode Code	Requirements

AD, AE

AXDN D DIRECT REVERSIBLE FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A DIRECT REVERSIBLE FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXDNDC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

AC, AD

AYPC D STARTER

Definition: AN INDICATION OF WHETHER OR NOT A STARTER IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the tablebelow. (e.g., AYPCDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

AA, AC, AD, AE

AXDP D STARTING METHOD

Definition: THE MEANS USED TO START THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g, AXDPDHA*; AXDPDCS$$DCF*)

REPLY CODE	REPLY (AC58)
AA	AIR
HA	AUXILIARY GASOLINE ENGINE
CS	ELECTRICAL
HC	HYDRAULIC
HB	HYDRAULIC UNIT

APP Key	MRC	Mode Code	Requirements
	CF		MANUAL

NOTE FOR MRCS ELEC AND AXDQ: FOR APPLICABILITY KEY AA OR AE, IF REPLY CODE CS IS ENTERED FOR MRC AXDP, REPLY TO MRC ELEC. FOR APPLICABILITY KEY AC OR AD, IF REPLY CODE CS IS ENTERED FOR MRC AXDP, REPLY TO MRC ELEC IF THE STARTER IS INCLUDED WITH THE ITEM. FOR APPLICABILITY KEY AC, IF REPLY CODE HC IS ENTERED FOR MRC AXDP, REPLY TO MRC AXDQ IF THE STARTER IS FURNISHED WITH THE ITEM.

AA*, AC*, AD*, AE* (See Note Above)

ELEC B VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value. (e.g., ELECB24.0*)

AA*, AC*, AD*, AE* (See Note Preceding MRC ELEC)

AXDQ D HYDRAULIC STARTER PUMP SYSTEM TYPE

Definition: INDICATES THE TYPE OF PUMPING SYSTEM UTILIZED BY THE HYDRAULIC STARTER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXDQDCQ*; AXDQDCQ$$DDD*)

REPLY CODE	REPLY (AC58)
CQ	ELECTRIC
GK	ENGINE
DD	HAND

AA, AB, AC, AE

CRFK D ELECTROMAGNETIC INTERFERENCE SUPPRESSION

Definition: AN INDICATION OF WHETHER OR NOT PROVISIONS TO SUPPRESS ELECTROMAGNETIC INTERFERENCE (EMI) ARE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CRFKDB*; CRFKDB$DC*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

AA, AC, AD, AE

AXDR D SUPERCHARGER

Definition: AN INDICATION OF WHETHER OF NOT A SUPERCHARGER IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXDRDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

AC, AD

AXDS D FLYWHEEL

Definition: AN INDICATION OF WHETHER OR NOT A FLYWHEEL IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXDSDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

AC*, AD* (See Note Above)

AXDT D FLYWHEEL HOUSING

Definition: AN INDICATION OF WHETHER OR NOT A FLYWHEEL HOUSING IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXDTDB*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

AXDW D REDUCTION GEAR

Definition: AN INDICATION OF WHETHER OR NOT A REDUCTION GEAR IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXDWDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC AXRZ: IF REPLY CODE B IS ENTERED FOR MRC AXDW, REPLY TO MRC AXRZ.

ALL* (See Note Above)

AXRZ G REDUCTION GEAR RATIO

Definition: THE RATIO OF THE INPUT REVOLUTIONS PER MINUTE TO THE DESIGNED OUTPUT REVOLUTIONS PER MINUTE OF THE REDUCTION GEAR.

Reply Instructions: Enter the reply in clear text. (e.g., AXRZG4 TO 1*)

AC, AD

AXJA D FLUID COUPLING

Definition: AN INDICATION OF WHETHER OR NOT A FLUID COUPLING IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXJADB*)

REPLY CODE	REPLY (AA49)

APP Key	MRC	Mode Code	Requirements
		B	INCLUDED
		C	NOT INCLUDED

ALL

AXJB D TRANSMISSION

Definition: AN INDICATION OF WHETHER OR NOT A TRANSMISSION IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXJBDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRSC AXJD AND AXJK: IF REPLY CODE B IS ENTERED FOR MRCS AXJB, REPLY TO MRCS AXJD AND AXJK.

ALL* (See Note Above)

AXJD D TRANSMISSION TYPE

Definition: INDICATES THE TYPE OF TRANSMISSION USED TO TRANSFER THE DEVELOPED MECHANICAL ENERGY TO THE DRIVE UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g, AXJDDAAC*)

REPLY CODE	REPLY (AM54)
AAB	HYDRAULICALLY ACTUATED
AAC	MANUAL
AAD	TORQUE CONVERTER

NOTE FOR MRCS AXJE, AXJF, ATWQ, AXJH AND AXJJ: IF REPLY CODE AAB IS ENTERED FOR MRC AXJD, REPLY TO MRCS AXJE, AXJF, AND ATWQ. IF REPLY CODE AAC IS ENTERED FOR MRC AXJD, REPLY TO MRCS ATWQ, AXJH, AND AXJJ.

ALL* (See Note Above)

APP Key	MRC	Mode Code	Requirements
	AXJE	A	SPEED RANGE QUANTITY

Definition: THE NUMBER OF SPEED RANGES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AXJEA4*)

ALL* (See Note Preceding MRC AXJE)

	AXJF	A	FORWARD SPEED QUANTITY PER RANGE

Definition: THE NUMBER OF FORWARD SPEEDS IN EACH RANGE.

Reply Instructions: Enter the quantity. If the item has multiple speed ranges, and the quantity of forward speeds are different in each range, use AND ($$) Coding entering the lower quantity first. (e.g., AXJFA4*; AXJFA2$$A3$$A4*)

ALL* (See Note Preceding MRC AXJE)

	ATWQ	A	REVERSE SPEED QUANTITY

Definition: THE NUMBER OF REVERSE SPEEDS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ATWQA1*)

ALL* (See Note Preceding MRC AXJE)

	AXJH	A	FORWARD SPEED QUANTITY

Definition: THE NUMBER OF FORWARD SPEEDS PROVIDED.

Reply Instructions: Enter the quantity. (e.g, AXJHA3*)

ALL* (See Note Preceding MRC AXJE)

	AXJJ	D	OVERDRIVE

Definition: AN INDICATION OF WHETHER OR NOT AN OVERDRIVE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXJJDB*)

REPLY CODE	REPLY (AA49)

APP Key	MRC	Mode Code	Requirements
		B	INCLUDED
		C	NOT INCLUDED

ALL* (See Note Preceding MRC AXJD)

AXJK D CROSS DRIVE

Definition: AN INDICATION OF WHETHER OR NOT A CROSS DRIVE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXJKDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

AXJL D CLUTCH

Definition: AN INDICATION OF WHETHER OR NOT A CLUTCH IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g. AXJLDC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC NMBR: FOR APPLICABLITY KEY AB, IF REPLY CODE B IS ENTERED FOR MRC AXJL, REPLY TO MRC NMBR.

ALL* (See Note Above)

NMBR A QUANTITY

Definition: A NUMERIC VALUE WHICH REPRESENTS A POSITIVE WHOLE VALUE WITHOUT REGARD TO ANY UNIT OF MEASURE.

Reply Instructions: Enter the quantity. (e.g., NMBRA4*)

APP Key	MRC	Mode Code	Requirements

AA, AC*, AD*, AE

AXJM D MAIN POWER TAKEOFF ROTATION DIRECTION

Definition: THE DIRECTION OF THE MAIN POWER TAKEOFF ROTATION WHEN VIEWED FROM AND FACING THE MAIN DRIVE END.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXJMDA*)

REPLY CODE	REPLY (AA50)
A	CLOCKWISE
D	COUNTERCLOCKWISE

AA*, AE

AXJN D MAIN POWER TAKEOFF DRIVE TYPE

Definition: INDICATES THE TYPE OF DRIVE PROVIDED ON THE MAIN POWER TAKEOFF.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXJNDAAF*)

REPLY CODE	REPLY (AJ80)
AAF	FLAT PULLEY
AAH	SPROCKET W/OUTSIDE BEARINGS
AAG	V-SHAPED GROOVED PULLEY

NOTE FOR MRCS AXJS, ATQM, AND ATQN: IF REPLY CODE AAF IS ENTERED FOR MRC AXJN, REPLY TO MRCS AXJS AND ATQM. IF REPLY CODE AAG IS ENTERED FOR MRC AXJN, REPLY TO MRCS AXJS AND ATQN.

AA*, AE* (See Note Above)

AXJS J PULLEY OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A PULLEY, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXJSJAA8.000*; AXJSJLA203.2*; AXJSJAB8.000$$JAC8.125*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AA*, AE* (See Note Preceding MRC AXJS)

ATQM J PULLEY FACE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE PULLEY FACE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g. ATQMJAA0.500*; ATQMJLA12.7*; ATQMJAB0.500$$JAC0.550*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AA*, AE* (See Note Preceding MRC AXJS)

ATQN A PULLEY GROOVE QUANTITY

Definition: THE NUMBER OF PULLEY GROOVES INCLUDED IN THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the quantity. (e.g., ATQNA2*)

AA*, AC*, AD*, AE *

AXJW A AUXILIARY POWER TAKEOFF UNIT QUANTITY

Definition: THE NUMBER OF AUXILIARY POWER TAKEOFF UNITS INCLUDED WITH THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AXJWA2*)

NOTE FOR MRC AXJY: REPLY TO THIS MRC IF A REPLY IS ENTERED FOR MRC AXJW.

AA*, AC*, AD*, AE* (See Note Above)

AXJY D AUXILIARY POWER TAKEOFF UNIT LOCATION

Definition: INDICATES THE LOCATION OF THE AUXILIARY POWER TAKEOFF UNIT WHEN VIEWED FROM AND FACING THE MAIN DRIVING END.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXJYDAQL*; AXJYDAQL$DACR*)

REPLY CODE	REPLY (AJ91)
AQL	LEFT
ABJ	REAR
ACR	RIGHT SIDE

AA, AE

AXKA D GOVERNOR CONTROLLED FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A GOVERNOR CONTROLLED FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXKADB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP Key	MRC	Mode Code	Requirements

AA, AE

AKNA D INCLOSURE TYPE

Definition: INDICATES THE TYPE OF INCLOSURE PROVIDED TO COAT, COVER, PROTECT, OR ENCASE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKNADBB*; AKNADBB$DAE*)

REPLY CODE	REPLY (AG85)
BB	ENGINE ONLY INCLOSED
AH	FULLY INCLOSED
AE	OPEN

AA, AE

AAXX D MOUNTING TYPE

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDAT*; AAXXDBF$$DAU*; AAXXDBF$DAT*)

REPLY CODE	REPLY (AA78)
BF	BASE
AT	SKID
AU	WHEEL

NOTE FOR MRCS AGDH AND AGDP: IF REPLY CODE AU IS ENTERED FOR MRC AAXX, REPLY TO MRCS AGDH AND AGDP.

AA*, AE* (See Note Above)

AGDH A WHEEL QUANTITY

Definition: THE NUMBER OF WHEELS INCLUDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AGDHA4*)

APP Key	MRC	Mode Code	Requirements

AA*, AE* (See Note Preceding MRC AGDH)

AGDP D LOAD WHEEL TIRE TYPE

Definition: INDICATES THE TYPE OF LOAD WHEEL TIRES PROVIDED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGDPDC*; AGDPDB$DC*)

REPLY CODE	REPLY (AE82)
B	PNEUMATIC
C	SOLID
D	STEEL

AB, AC, AD

AGEB D FORDING FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A FEATURE IS INCLUDED FOR THE ITEM TO BE OPERATED IN A SPECIFIED DEPTH OF WATER WITHOUT MALFUNCTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGEBDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

AC, AD

AKYD G ACCESSORY COMPONENT AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a comma. (e.g., AKYDGAIR CLEANER 1*; AKYDGGENERATOR, BATTERY CHARGING 1 MAGNETO 1*)

AB

APP Key	MRC	Mode Code	Requirements
	AJKC	G	SUPPLY ITEMS AND QUANTITIES

Definition: A LISTING OF THOSE MAJOR COMPONENTS WHICH ARE COMPRISED OF A NATIONAL STOCK NUMBER, AN ITEM NAME, STANDARDIZED NAME, OR PART NAME, AND THE NUMBER OF EACH.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a comma.

(e.g., AJKCG274-5691, 2*;

AJKCG154-6932 1, 625-1361 2*)

AB

	AJKD	G	NONSUPPLY ITEMS AND QUANTITIES

Definition: A LISTING OF THOSE MAJOR COMPONENTS, OUTSIDE THE SCOPE OF AN ITEM OF SUPPLY TO BE CATALOGED, AS INDICATED BY THE NAME OF THE MANUFACTURER, AND THE NAME AND NUMBER OF THE ITEM AS IDENTIFIED BY THE MANUFACTURER, AND THE NUMBER OF EACH.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a comma. (e.g., AJKDGGENERAL MOTORS CORP, MODEL NO. 5146, DIESEL ENGINE, 1*)

SECTION: B

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED02909*)

BA

	AXKD	D	POWER OUTPUT FOR WHICH DESIGNED

Definition: THE POWER OUTPUT FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXKDDAAE*)

REPLY CODE	REPLY (AL40)
AAE	PNEUMATIC
AAQ	PNEUMATIC/SHAFT
AAF	SHAFT

NOTE FOR MRCS AXKE, AXKG, AXKH, AXKK, AND AXKN: IF REPLY CODE AAF IS ENTERED FOR MRC AXKD, REPLY TO MRCS AXKE AND AXKG. IF REPLY CODE AAE IS ENTERED FOR MRC AXKD, REPLY TO MRCS AXKH, AXKK, AND AXKN. IF REPLY CODE AAQ IS ENTERED FOR MRC AXKD, REPLY TO MRCS AXKE, AXKG, AXKH, AND AXKN.

BA* (See Note Above)

	AXKE	B	SHAFT HORSEPOWER RATING

Definition: THE POWER DELIVERED BY THE SHAFT AT A SPECIFIED SPEED.

Reply Instructions: Enter the numeric value. (e.g., AXKEB42.3*)

BA* (See Note Preceding MRC AXKE)

	AXKG	B	SHAFT HORSEPOWER RATING SPEED IN RPM

APP Key	MRC	Mode Code	Requirements

Definition: THE ROTARY SPEED OF THE SHAFT AT WHICH THE HORSEPOWER RATING IS DETERMINED, EXPRESSED IN REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the numeric vlaue. (e.g. AXKGB2750.0*)

BA* (See Note Preceding MRC AXKE)

AXKH B AIR HORSEPOWER RATING

Definition: THE RATED AIR HORSEPOWER PRODUCED BY THE ITEM.

Reply Instructions: Enter the numeric value. (e.g., AXKHB189.5*)

BA* (See Note Preceding MRC AXKE)

AXKK J AIR FLOW RATE

Definition: THE RATED CAPACITY OF AIR FLOW DISCHARGED BY THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AXKKJAB128.0*)

REPLY CODE	REPLY (AL69)
AC	KILOGRAMS PER MINUTE
AB	POUNDS PER MINUTE

BA* (See Note Preceding MRC AXKE)

AXKN J DISCHARGE PRESSURE RATING

Definition: THE RATED DISCHARGE PRESSURE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g, AXKNJS18.0*)

REPLY CODE	REPLY (AB16)
V #	BAR
T	KILOGRAMS PER SQUARE CENTIMETER
S	POUNDS PER SQUARE INCH

BB*

APP Key	MRC	Mode Code	Requirements
	ANCY	B	HORSEPOWER RATING

Definition: AN INDICATION OF THE RATED HORSEPOWER OF THE ITEM.

Reply Instructions: Enter the numeric value. (e.g., ANCYB6000.0*)

BB*

AWBM	J	NOMINAL THRUST

Definition: THE NOMINAL FORCE OF ENERGY EXPENDED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWBMJAS10000.0*; AWBMJBT44480.0*)

REPLY CODE	REPLY (AG67)
BT	NEWTON
AS	POUNDS

ALL*

AXKT	J	ALTITUDE AT WHICH HORSEPOWER IS RATED

Definition: THE ALTITUDE AT WHICH THE HORSEPOWER IS RATED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AXKTJF10000.0*; AXKTJM3048.0*)

If rated at sea level, enter AXKTJF0.0*

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

ALL*

AXKY	J	INLET AIR TEMP AT WHICH HORSEPOWER IS RATED

Definition: THE TEMPERATURE OF THE INLET AIR AT WHICH THE HORSEPOWER IS RATED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AXKYJF59.0*)

REPLY CODE	REPLY (AB36)
C	DEG CELSIUS (centigrade)
F	DEG FAHRENHEIT

ALL*

AXLA G DESIGN LIFE AT RATED HORSEPOWER

Definition: THE DESIGN LIFE EXPECTANCY OF THE ITEM AT SPECIFIED HORSEPOWER RATING.

Reply Instructions: Enter the reply in clear text. (e.g., AXLAG2000 STARTS*)

ALL

FUEL D FUEL TYPE

Definition: INDICATES THE TYPE OF FUEL(S) FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FUELDBF*; FUELDBQ$$DBF*; FUELDBQ$DBC*)

REPLY CODE	REPLY (AF80)
BQ	DIESEL OIL
BC	GASOLINE
BF	JET FUEL
AC	KEROSENE

ALL

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*)

REPLY CODE	REPLY (AB62)

APP Key	MRC	Mode Code	Requirements
		B	AC
		D	AC/DC
		C	DC

ALL

ELEC B VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value. (e.g., ELECB115.0*)

If multiple voltages are indicated, use AND ($$) Coding, entering lowest voltage first. (e.g., ELECB120.0$$B208.0*)

ALL

AFJH G FURNISHED ITEMS

Definition: ITEMS FURNISHED AS ACCESSORIES WHICH ARE NOT SPECIFIED ELSEWHERE.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a comma. (e.g., AFJHGGENERATOR*;

AFJHG OIL PUMP, SCAVENGER, POWER TAKE-OFF REDUCTION GEAR CASE*)

ALL

APBQ D INCLOSURE

Definition: AN INDICATION OF WHETHER OR NOT AN INCLOSURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APBQDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP Key	MRC	Mode Code	Requirements

ALL

AAXX D MOUNTING TYPE

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDAT*)

REPLY CODE	REPLY (AA78)
ABK	AIRCRAFT
A	ANY ACCEPTABLE
FF	BASE FRAME
FG	GENERATOR
AT	SKID
AV	TRAILER

ALL

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA138.000*;ABHPJLA3505.2*; ABHPJAB139.000$$JAC140.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
M	METERS
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA21.690*; ABKWJLA550.9*; ABKWJAB21.695$$JAC21.700*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
M	METERS
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA22.750*; ABMKJLA577.8*; ABMKJAB22.775$$JAC22.800*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
M	METERS
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements

SECTION: C

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED04569*)

ALL*			
	AXLF	G	AHEAD RATED HORSEPOWER AT SPECIFIED RPM

Definition: THE RATED HORSEPOWER OF THE ITEM IN AHEAD (FORWARD) MOTION, AT SPECIFIED REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the reply in clear text. (e.g., AXLFG13450 SHAFT HP AT 4714 RPM*)

ALL*			
	AXLG	G	ASTERN RATED HORSEPOWER AT SPECIFIED RPM

Definition: THE RATED HORSEPOWER OF THE ITEM IN ASTERN (REVERSE) MOTION, AT SPECIFIED REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the reply in clear text. (e.g., AXLGG7000 SHAFT HP AT 2931 RPM*)

ALL*			
	AXLJ	D	ASTERN TURBINE LOCATION

Definition: INDICATES THE LOCATION OF THE ASTERN (REVERSE) TURBINE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXLJDAB*; AXLJDAB$DAD*)

REPLY CODE	REPLY (AM55)
AB	AFT END OF LOW PRESSURE TURBINE
AD	FORWARD END OF LOW PRESSURE TURBINE

APP Key	MRC	Mode Code	Requirements
		AE	THRUST END OF LOW PRESSURE TURBINE

ALL

AXGF D AHEAD STAGE DESIGN

Definition: THE TERM USED TO DESCRIBE THE AHEAD (FORWARD) STAGE DESIGN OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXGFDAB*; AXGFDAB$$DAC*)

REPLY CODE	REPLY (AM57)
AB	IMPULSE
AC	REACTION

NOTE FOR MRCS AXNY, AXPG, AXRC, AXRD, AND AXRE: IF REPLY CODE AB IS ENTERED FOR MRC AXGF, REPLY TO MRCS AXNY, AXPG, AND AXRC. IF REPLY CODE AC IS ENTERED FOR MRC AXGF, REPLY TO MRCS AXRD AND AXRE.

ALL* (See Note Above)

AXNY A AHEAD IMPULSE STAGE QUANTITY

Definition: THE NUMBER OF AHEAD (FORWARD) IMPULSE STAGES EMPLOYED BY THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AXNYA6*)

ALL* (See Note Preceding MRC AXNY)

AXPG A AHEAD IMPULSE STAGE ROTATION BLADE ROW QUANTITY

Definition: THE NUMBER OF ROWS OF ROTATING BLADES ON THE AHEAD (FORWARD) IMPULSE STAGE.

Reply Instructions: Enter the quantity. (e.g., AXPGA6*)

ALL* (See Note Preceding MRC AXNY)

AXRC A AHEAD IMPULSE STAGE STATIONARY BLADE ROW QUANTITY

APP Key	MRC	Mode Code	Requirements

Definition: THE NUMBER OF ROWS OF STATIONARY BLADES ON THE AHEAD (FORWARD) IMPULSE STAGE.

Reply Instructions: Enter the quantity. (e.g., AXRCA1*)

ALL* (See Note Preceding MRC AXNY)

AXRD A AHEAD REACTION STAGE QUANTITY

Definition: THE NUMBER OF AHEAD (FORWARD) REACTION STAGES EMPLOYED BY THE ITEM.

Reply Instructions: Enter the quantity. (e.g, AXRDA3*)

ALL* (See Note Preceding MRC AXNY)

AXRE A AHEAD REACTION STAGE ROTATION BLADE ROW QUANTITY

Definition: THE NUMBER OF ROWS OF ROTATING BLADES ON THE AHEAD (FORWARD) REACTION STAGE.

Reply Instructions: Enter the quantity. (e.g., AXREA6*)

ALL

AXRF D AHEAD FLOW TYPE

Definition: INDICATES THE AHEAD FLOW TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXRFDAAJ*; AXRFDAAJ$DAAK*)

REPLY CODE	REPLY (AK04)
AAJ	DOUBLE
AAK	HELICAL
AAL	REENTRY
AAM	SINGLE

ALL*

AXRG D ASTERN STAGE DESIGN

Definition: THE TERM USED TO DESCRIBE THE ASTERN (REVERSE) STAGE DESIGN OF THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXRGDAB*; AXRGDAB$$DAC*)

REPLY CODE	REPLY (AM57)
AB	IMPULSE
AC	REACTION

NOTE FOR MRCS AXRH, AXRJ, AND AXRK: REPLY TO THESE MRCS IF A REPLY IS ENTERED FOR MRC AXRG.

ALL* (See Note Above)

AXRH A ASTERN ROTATION BLADE ROW QUANTITY

Definition: THE NUMBER OF ROWS OF ASTERN (REVERSE) ROTATING BLADES ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AXRHA6*)

ALL* (See Note Preceding MRC AXRH)

AXRJ A ASTERN STATIONARY BLADE ROW QUANTITY

Definition: THE NUMBER OF ROWS OF THE ASTERN (REVERSE) STATIONARY BLADES ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AXRJA1*)

ALL* (See Note Preceding MRC AXRH)

AXRK D ASTERN FLOW TYPE

Definition: INDICATES THE ASTERN FLOW TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXRKDAAM*; AXRKDAAJ$DAAK*)

REPLY CODE	REPLY (AK04)
AAJ	DOUBLE
AAK	HELICAL
AAL	REENTRY
AAM	SINGLE

APP Key	MRC	Mode Code	Requirements

ALL

AXRL J AHEAD INITIAL STEAM GAGE PRESSURE

Definition: THE INITIAL AHEAD (FORWARD) STEAM GAGE PRESSURE REQUIRED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AXRLJBB25.0*)

REPLY CODE	REPLY (AG20)
DA #	BAR
AV	KILOGRAMS PER SQUARE CENTIMETER
BB	POUNDS PER SQUARE INCH

ALL

AXRM J ASTERN INITIAL STEAM GAGE PRESSURE

Definition: THE INITIAL ASTERN (REVERSE) STEAM GAGE PRESSURE REQUIRED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AXRMJBB440.0*)

REPLY CODE	REPLY (AG20)
DA #	BAR
AV	KILOGRAMS PER SQUARE CENTIMETER
BB	POUNDS PER SQUARE INCH

ALL

AXRN J AHEAD INITIAL STEAM TEMP

Definition: THE INITIAL AHEAD (FORWARD) STEAM TEMPERATURE REQUIRED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AXRNJAF480.0*)

REPLY CODE	REPLY (AG20)

APP Key	MRC	Mode Code	Requirements
		AE	DEGREES CELSIUS
		AF	DEGREES FAHRENHEIT

ALL

AXRP J ASTERN INITIAL STEAM TEMP

Definition: THE INITIAL ASTERN (REVERSE) STEAM TEMPERATURE REQUIRED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by numeric value. (e.g, AXRPJAF661.0*)

REPLY CODE	REPLY (AG20)
AE	DEGREES CELSIUS
AF	DEGREES FAHRENHEIT

ALL

AAYP J EXHAUST PRESSURE

Definition: THE GAGE PRESSURE OF THE EXPANDED STEAM AFTER DRIVING THE PRIME MOVER.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAYPJG25.00*)

REPLY CODE	REPLY (AA95)
L #	BARS
J	INCHES OF MERCURY
D	KILOGRAMS PER SQUARE CENTIMETER ABSOLUTE
B	KILOGRAMS PER SQUARE CENTIMETER GAGE
H	MILLIMETERS OF MERCURY
F	POUNDS PER SQUARE INCH ABSOLUTE
G	POUNDS PER SQUARE INCH GAGE

ALL

APP Key	MRC	Mode Code	Requirements
	AKCT	D	SHAFT ROTATION DIRECTION

Definition: THE DIRECTION OF ROTATION OF A ROTATING SHAFT AS VIEWED FROM THE DRIVE END.

Reply Instructions: See Appendix B , Reference Drawing Group A, to determine the rotation direction. Enter the applicable Reply Code from the table below. (e.g., AKCTDB*)

REPLY CODE	REPLY (AC84)
B	CLOCKWISE
E	CLOCKWISE/COUNTERCLOCKWISE
C	COUNTERCLOCKWISE

ALL*

	AXRQ	D	REDUCTION GEAR ASSEMBLED FORM

Definition: AN INDICATION OF THE ASSEMBLED FORM IN WHICH THE REDUCTION GEAR IS SUPPLIED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXRQDHS*)

REPLY CODE	REPLY (AB28)
HS	INTEGRAL
HT	SEPARATE

NOTE FOR MRCS AXRS, AXRR, AXRX, AND AXRZ: REPLY TO THESE MRCS IF REPLY CODE HS IS ENTERED FOR MRC AXRQ.

ALL* (See Note Above)

	AXRS	A	REDUCTION GEAR MANUFACTURER CODE

Definition: THE IDENTIFYING CODE OF THE ORIGINATOR THAT CONTROLS OR MANUFACTURES THE REDUCTION GEAR.

Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code. (e.g., AXRSA23456*)

ALL* (See Note Preceding MRC AXRS)

APP Key	MRC	Mode Code	Requirements
	AXRR	G	REDUCTION GEAR MANUFACTURER ADDRESS

Definition: THE ADDRESS OF THE COMPANY MANUFACTURING THE REDUCTION GEAR.

Reply Instructions: Enter the reply in clear text. (e.g., AXRRGWORCESTER, MASS.*)

ALL* (See Note Preceding MRC AXRS)

	AXRX	D	REDUCTION GEAR TYPE

Definition: INDICATES THE TYPE OF REDUCTION GEAR UTILIZED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXRXDGW*)

REPLY CODE	REPLY (AC58)
GT	DOUBLE HELIX
GW	PLANETARY
GX	SINGLE HELIX

ALL* (See Note Preceding MRC AXRS)

	AXRZ	G	REDUCTION GEAR RATIO

Definition: THE RATIO OF THE INPUT REVOLUTIONS PER MINUTE TO THE DESIGNED OUTPUT REVOLUTIONS PER MINUTE OF THE REDUCTION GEAR.

Reply Instructions: Enter the reply in clear text. (e.g., AXRZG3.09 TO 1*)

ALL*

	AXSA	D	LUBE OIL COOLER ASSEMBLED FORM

Definition: AN INDICATION OF THE ASSEMBLED FORM IN WHICH THE LUBE OIL COOLER IS SUPPLIED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXSADHT*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AB28)
HS	INTEGRAL
HT	SEPARATE

ALL*

AXSC D THROTTLE VALVE ASSEMBLED FORM

Definition: AN INDICATION OF THE ASSEMBLED FORM IN WHICH THE THROTTLE VALVE IS SUPPLIED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXSCDHT*)

REPLY CODE	REPLY (AB28)
HS	INTEGRAL
HT	SEPARATE

ALL*

AXSD D GOVERNOR ASSEMBLED FORM

Definition: AN INDICATION OF THE ASSEMBLED FORM IN WHICH THE GOVERNOR IS SUPPLIED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXSDDHT*)

REPLY CODE	REPLY (AB28)
HS	INTEGRAL
HT	SEPARATE

ALL

ADSM D MOUNTING POSITION

Definition: THE INSTALLED POSITION FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e..g, ADSMDB*)

REPLY CODE	REPLY (AC60)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		B	HORIZONTAL
		D	VERTICAL

SECTION: D

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED21791*)

ALL			
	AXSE	D	FUEL/OXIDIZER FEED SYSTEM TYPE

Definition: INDICATES THE TYPE OF SYSTEM USED FOR FUEL AND/OR OXIDIZER FEED BY THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXSEDH*)

REPLY CODE	REPLY (AA96)
H	PRESSURE
K	PUMP

ALL			
	AXSF	D	FUEL/OXIDIZER TANK

Definition: AN INDICATION OF WHETHER OR NOT A FUEL AND OXIDIZER TANK(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXSFDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AXSG AND AQPF: IF REPLY CODE B IS ENTERED FOR MRC AXSF, REPLY TO MRCS AXSG AND AQPF.

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Above)

AXSG D TANK INSTALLATION

Definition: AN INDICATION OF THE INSTALLATION FEATURE OF THE TANK.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXSGDP*)

REPLY CODE	REPLY (AL24)
P	INSTALLED
M	NOT INSTALLED

ALL* (See Note Preceding MRC AXSG)

AQPF D ITEM CONTENT

Definition: AN INDICATION OF THE CONTENT OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQPFDAAJ*)

REPLY CODE	REPLY (AL22)
AAB	EMPTY
AAJ	FILLED

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA168.000*; ADAVJLA4267.2*; ADAVJAB168.250$$JAC168.275*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
M	METERS
L	MILLIMETERS

APP
Key MRC Mode Code Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITHTERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA153.000*; ABHPJLA3886.2*; ABHPJAB153.125$$JAC153.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
M	METERS
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA55.000*;ABMKJLA1397.0*; ABMKJAB55.125$$JAC56.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES

APP Key	MRC	Mode Code	Requirements
		M	METERS
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA84.000*; ABKWJLA2133.6*; ABKWJAB84.125$$JAC84.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
M	METERS
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AXWY D COOLING SYSTEM TYPE

Definition: INDICATES THE TYPE OF COOLING SYSTEM FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXWYDRX*; AXWYDRX$DRZ*)

REPLY CODE	REPLY (AB75)

APP Key	MRC	Mode Code	Requirements
		RX	FILM
		RY	REGENERATIVE
		RZ	REGENERATIVE FILM
		SA	TRANSPIRATION

ALL

AXDH D IGNITION TYPE

Definition: INDICATES THE TYPE OF IGNITION UTILIZED BY THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g, AXDHDAAL*; AXDHDAAL$DAAM*)

REPLY CODE	REPLY (AJ53)
AAL	ELECTRICAL
AAM	PYROTECHNIC
AAN	SPONTANEOUS

ALL

AWBF D IGNITER

Definition: AN INDICATION OF WHETHER OR NOT AN IGNITER IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWBFDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AWBG AND AWBJ: IF REPLY CODE B IS ENTERED FOR MRC AWBF, REPLY TO MRCS AWBG AND AWBJ.

ALL* (See Note Above)

AWBG D IGNITER INSTALLATION

Definition: AN INDICATION OF WHETHER OR NOT THE IGNITER IS INSTALLED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWBGDP*)

REPLY CODE	REPLY (AL24)
P	INSTALLED
M	NOT INSTALLED

ALL* (See Note Preceding MRC AWBG)

AWBJ A IGNITER MODEL NUMBER

Definition: THE COMBINED GROUP OF LETTERS, NUMERALS, AND/OR SYMBOLS WHICH COMPOSE THE ASSIGNED MODEL NUMBER OF THE IGNITER.

Reply Instructions: Enter the model number. (e.g., AWBJAMK21*)

ALL

AXXD A THRUST CHAMBER QUANTITY

Definition: THE NUMBER OF THRUST CHAMBERS PROVIDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AXXDA2*)

ALL*

AWBS D INTEGRAL THRUST DIRECTION CONTROL METHOD

Definition: THE INTEGRAL MEANS UTILIZED TO CONTROL THE DIRECTION OF THRUST.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWBSDAAZ*; AWBSDAAZ$DABB*)

REPLY CODE	REPLY (AL28)
AAZ	GIMBLE THRUST VECTOR
ABA	HINGED THRUST VECTOR
ABB	JET VANE THRUST VECTOR

SECTION: STANDARD

APP Key	MRC	Mode Code	Requirements
ALL*			
	FEAT	G	SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*			
	TEST	J	TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

APP Key	MRC	Mode Code	Requirements
		C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

APP Key	MRC	Mode Code	Requirements
ALL*			
	ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
			Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)
ALL*			
	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
			Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)
ALL*			
	CRTL	A	CRITICALITY CODE JUSTIFICATION
			Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.
			Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)
			Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.
NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.			
ALL* (See Note Above)			

APP Key	MRC	Mode Code	Requirements
	PRPY	A	PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

NOTE FOR MRC ENAC: ANSWERING THIS MRC WILL GENERATE AN ENAC CODE IN THE ITEM IDENTIFICATION SEGMENT (A) OF THE NSN.

ALL* (See Note Above)

	ENAC	D	ENVIRONMENTAL ATTRIBUTE CODE

Definition: INDICATES THE TYPE OF PRODUCT THAT MEETS OR EXCEEDS THE GOVERNMENT GUIDELINES FOR ENVIRONMENTALLY PREFERRED CHARACTERISTICS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ENACDG4*)

REPLY CODE	REPLY (EN02)
G4	COMPREHENSIVE PROCUREMENT GUIDELINE – VEHICULAR PRODUCTS – REBUILT VEHICULAR PARTS

ALL*

	ELRN	G	EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

NOTE FOR MRC NHCF: IF THE CRITICALITY CODE IS E, H, OR M, REPLY TO MRC NHCF.

ALL* (See Note Above)

NHCF D NUCLEAR HARDNESS CRITICAL FEATURE

Definition: AN INDICATION OF THE NUCLEAR HARDNESS CRITICALITY OF THE ITEM.

Reply Instructions: Enter the Reply Code from the table below. (e.g., NHCFDCY*)

REPLY CODE	REPLY (AD05)
CY	HARDENED

ALL*

ELCD D EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION: SUPPTECH

APP Key	MRC	Mode Code	Requirements
ALL			
	AYBE	J	ENGINE OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF THE ENGINE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYBEJAA42.000*; AYBEJLA50.8*; AYBEJAB42.125$$JAC42.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
M	METERS
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements
ALL			
	AYBF	J	ENGINE OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ENGINE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g, AYBFJAA75.000*; AYBFJLA1905.0*; AYBFJAB75.125$$JAC75.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
M	METERS
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL

AYBG J ENGINE OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE ENGINE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYBGJAA32.000*; AYBGJLA812.8*; AYBGJAB32.125$$JAC32.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
M	METERS
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

CBME J CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CBMEJCF1.0219*; CBMEJCM0.02*)

REPLY CODE	REPLY (AN76)
CF	CUBIC FEET
CM	CUBIC METERS

ALL

APP Key	MRC	Mode Code	Requirements
	AGAV	G	END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the reply in clear text.

(e.g., AGAVG3939-00-000-0000*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)

ALL

	WGHT	J	WEIGHT

Definition: A RELATIVE MEASURE OF THE MASS OF AN ITEM WITH RESPECT TO ITS DENSITY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., WGHTJP174.85*; WGHTJK79.31*)

REPLY CODE	REPLY (AB10)
K	KILOGRAMS
P	POUNDS

ALL

	SUPP	G	SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL

	FCLS	A	FUNCTIONAL CLASSIFICATION

Definition: THE ALPHA-NUMERIC DESIGNATION THAT IDENTIFIES THE CLASSIFICATION OF THE ITEM ACCORDING TO THE CATEGORY OF FUNCTIONS PERFORMED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the reply from the applicable document.

(e.g., FCLSAHH-1.5*)

ALL

FTLD G FUNCTIONAL DESCRIPTION

Definition: DESCRIBES THE CAPABILITIES, INTENDED USE, AND/OR PURPOSE FOR WHICH THE ITEM IS PROVIDED.

Reply Instructions: Enter description of function as concisely as possible. (e.g., FTLDGUSED TO INSTALL/REMOVE ENGINE NACELLE*)

ALL

TMDN A TYPE/MODEL DESIGNATION

Definition: THE ALPHA-NUMERIC-ALPHA DESIGNATION USED TO IDENTIFY THE TYPE AND/OR MODEL OF THE BASIC ITEM.

Reply Instructions: Enter the appropriate designation data.

(e.g., TMDNAMSV-615/M*)

ALL

RTSE G RELATIONSHIP TO SIMILAR EQUIPMENT

Definition: INDICATES THE RELATIONSHIP, SUCH AS CONSTRUCTION, CAPABILITIES, AND THE LIKE, OF THE ITEM TO A SIMILAR ITEM.

Reply Instructions: Enter concise statement for similar item including name and identifying data.

(e.g., RTSEGSIMILAR TO LOCKHEED OVERWING ENGINE HOIST P/N 61521-58*)

ALL

RDAL G REFERENCE DATA AND LITERATURE

Definition: LITERATURE AND REFERENCES AVAILABLE FOR INFORMATION PERTAINING TO THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter data appropriate and in a concise manner to identify informational references covering the item.

(e.g., RDALGNAAVAIROIA/VFK58 A-2.2.9*)

ALL

NTRD A ENTRY DATE

Definition: INDICATE THE DATE THE ITEM WAS ENTERED INTO MIL-HDBK-300.

Reply Instructions: Enter the date structured in three hyphenated 2 position segments to indicate the last 2 digits of the calendar year, month, and day.

(e.g., NTRDA80-05-28*)

ALL

ZZZV G FSC APPLICATION DATA

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGBEARINGS, ANTIFRICTION, UNMOUNTED*)

ALL

CXCY G PART NAME ASSIGNED BY CONTROLLING AGENCY

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

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Reply Tables

Table 1 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY

REPLY CODE	REPLY (AD08)
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Reference Drawing Groups

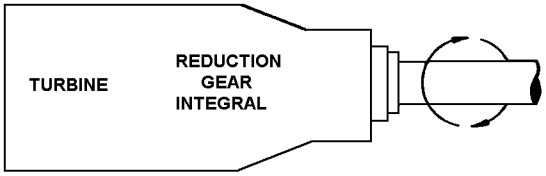
REFERENCE DRAWING GROUP A

STEAM TURBINE ROTATION DIRECTION

(No Requirements)

Note: Direction of rotation as viewed from driving end.

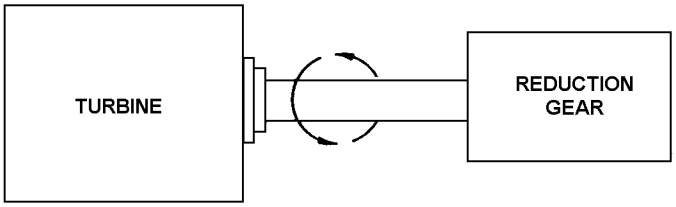
1



ROTATION CLOCKWISE

NOTE - DIRECTION OF ROATION AS VIEWED FROM DRIVING END

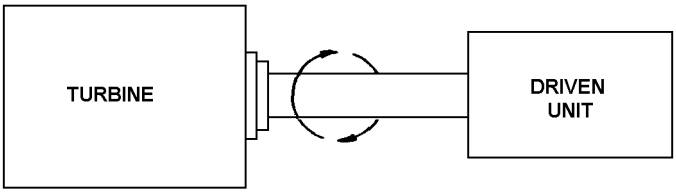
2



ROTATION COUNTER CLOCKWISE

NOTE - DIRECTION OF ROTATION AS VIEWED FROM DRIVING END

3



ROTATION CLOCKWISE

NOTE - DIRECTION OF ROTATION AS VIEWED FROM DRIVING END

Technical Data Tables

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	-----	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

FIIG Change List

FIIG Change List, Effective July 2, 2010

This change replaced with ISAC or and/or coding.